Installing the Auxiliary Flow Panel

Agilent 4890/5890 Gas Chromatographs

Accessory 19246A/19244C

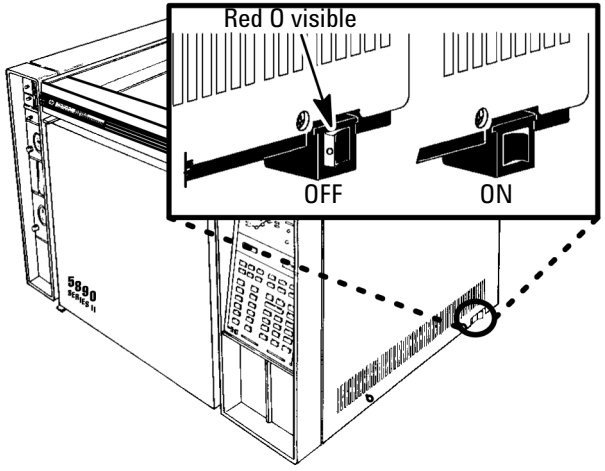
Preparing the Instrument

19246A - Auxiliary Flow Panel (3 gauges)

19244C - Auxiliary Flow Panel (1 gauge)

WARNING Hazardous voltages are present in the instrument whenever the power cord is connected. Avoid a potentially dangerous shock hazard by disconnecting the power cord before working on the instrument.

1. Set the main power line switch to the off position.



2. Disconnect the power cable from its receptacle.

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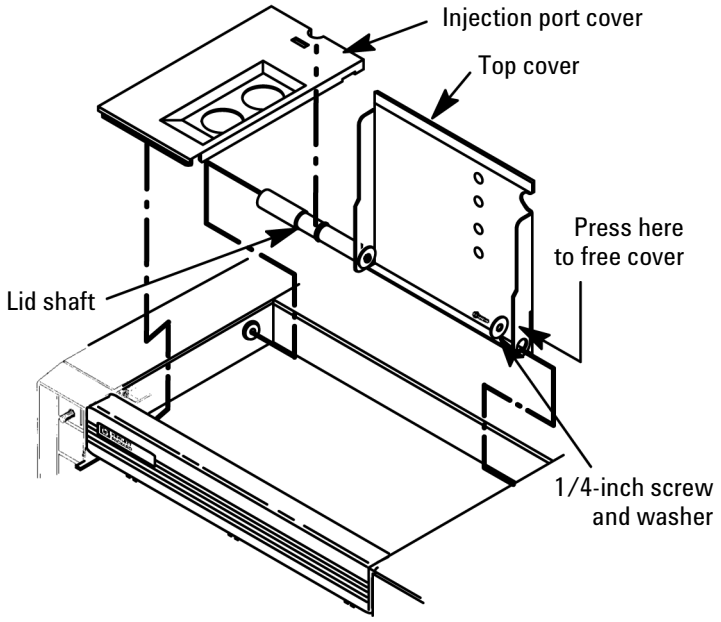
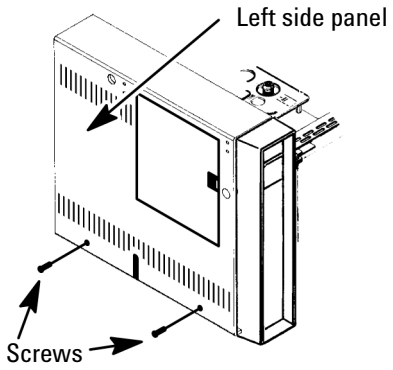
3. Allow time for the oven and heated zones to cool.
4. When the heated zones are cool, turn off all gas supplies at the source.
5. Remove the injection port cover by grasping its back edge and lifting it upward. If an autosampler is installed, the injection port cover will not be present.



6. If an autosampler is installed on the instrument, it will be necessary to remove it and its mounting bracket to allow removal of the left side cover.
    a. Remove the autosampler tray from its mounting bracket by simultaneously lifting and turning the two tray locks that hold it in position, then sliding the tray away from the instrument.
    b. Lift the autosampler tray from its mounting bracket and set it aside.
    c. Remove the autosampler bracket by removing the six screws securing it to the instrument.

7. Remove the two screws securing the left side panel along its bottom edge.



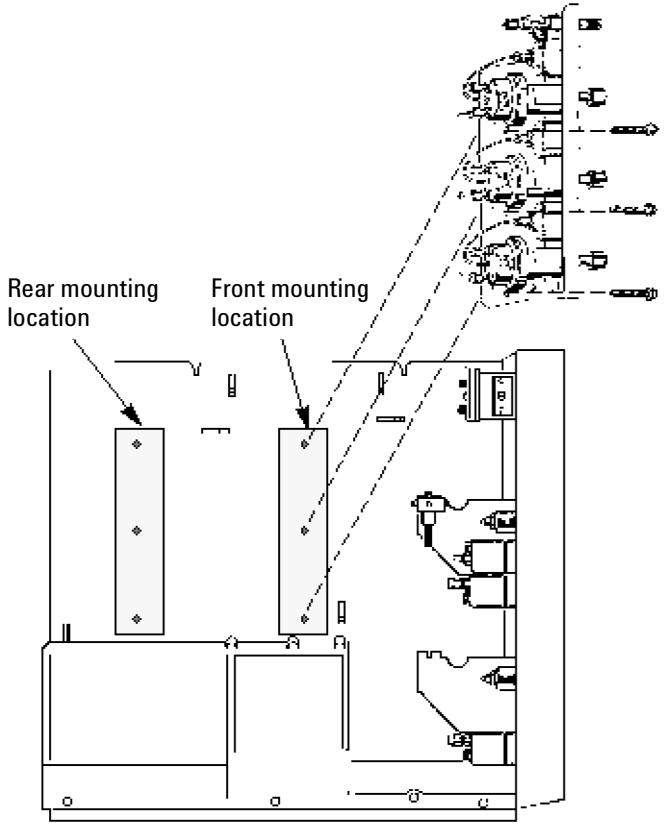
8. Slide the left side panel towards the rear of the instrument and lift.

Install the Auxiliary Flow Panel

1. See the next drawing. Install the auxiliary flow panel on the left side of the instrument with three thread-forming screws. A 1/4-inch nut driver is ideal for installing the screws.

   If only one flow panel is being installed, place it in the forward mounting location.

If necessary, relocate tubes and wires from under the flow panel bracket before tightening mounting screws.



WARNING Hydrogen (H_2) is flammable and is an explosion hazard when confined in an enclosed space (for example, the oven). In any application using H_2, turn off the supply at its source before working on the instrument.

2. Disconnect the gas supply lines to flow controls on the main flow panel and reconnect them to the IN fittings on the appropriate auxiliary flow panel pressure regulators.

   Disconnect one line at a time and connect it to the auxiliary flow panel regulator before proceeding to the next line. A 7/16-inch open end wrench is required to disconnect/connect tube fittings. When gas lines

nuts are very tight, a second 7/16 wrench should be used to hold the fitting while the nut is loosened.

There are two 400kPa (60 psi) pressure regulators and one 700 kPa (100 psi) regulator on the 19246A auxiliary flow panel. Select the pressure regulator having the appropriate pressure range for the intended application.

3. Copper jumper tubing is supplied to connect the pressure regulator to the appropriate fitting on the main flow panel. Use this tubing to fabricate and install jumper tubes. For the 4890 Series GC, see the instructions in your *Getting Started* manual. For the 5890 SERIES II GC, see the instructions in your *Site Prep and Installation Manual*.
4. Apply the appropriate pressure-sensitive labels to the control panel by removing them from the mounting paper. Use one label to identify the gauge and the other to identify the pressure regulator. Two blank labels are provided to write in the application.
5. When all connections are made, restore gas service and leak test installed fittings.
6. When the installation is leak-free, reinstall the left side panel.

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